

DRILL HOLES

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BORDER REV. DATE: June 1, 2004

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of an existing mast arm Traffic Control Signal with street lighting at the intersection of MD 8 (Romancoke Rd) and Bay City Rd in Queen Anne's County. Eastbound Left turn phasing and westbound Right turn phasing shall be added to this intersection. MD 8 (Romancoke Rd) is assumed to run on a north-south direction.

II. INTERSECTION OPERATION

- The intersection shall operate in a NEMA six-phase, fully-actuated mode, with the MD 8 (Romancoke Rd) approaches running concurrently. The existing Exclusive/Permissive left turn phase shall remain for the southbound approach of MD 8 (Romancoke Rd). An Exclusive/Permissive lead left turn phase shall be added for the eastbound Bay City Road approach. A new concurrent right turn phase shall be installed for the westbound approach of Bay City Road and will operate with the southbound MD 8 (Romancoke Rd.) left turn phase. The existing Pre-emption phases for northbound and southbound MD 8 (Romancoke Rd) shall remain. The Bay City approaches shall continue to run concurrently.
- The existing full-traffic-actuated, eight-phase controller with video interface, and all necessary equipment housed in a NEMA size "6" base-mounted cabinet shall be utilized at this intersection.

III. SPECIAL NOTES

- The Contractor shall be responsible for terminating all signal cables, to the appropriate terminals and shall properly label each cable.
- All controller cabinet wiring will be performed by the S.H.A. Signal Shop. Contact Mr. Ed Rodenhizer at (410) 787-7652 seventy-two hours in advance of intended work.
- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.

The contact persons for District #2 and SHA are as follows:

Mr. Jeff Wentz
Assistant District Engineer - Traffic
Phone: (410) 810-3240

Mr. Mike Lewis
Assistant District Engineer - Maintenance
Phone: (410) 810-3250

Mr. Barry Clothier
Assistant District Engineer - Utility
Phone: (410) 810-3275

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone: (410) 787-7630

Mr. Ed Rodenhizer
Manager, Signal Operations Section
410-787-7652

Mr. Sonny Bailey
Manager, Sign Shop Operations
410-787-7676

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY S.H.A..

ITEM NO.	DESCRIPTION	QUANTITY
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THERE IS NO EQUIPMENT TO BE SUPPLIED BY THE SHA.

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

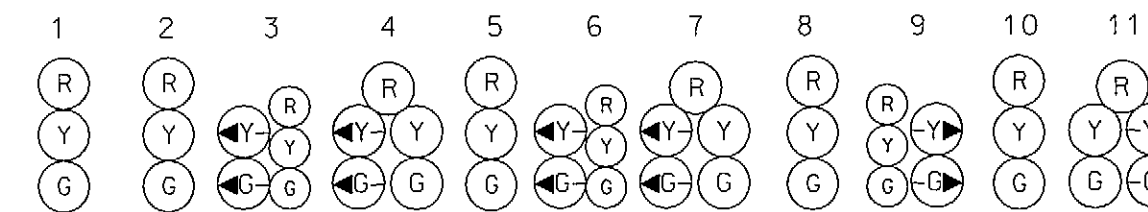
ITEM NO.	DESCRIPTION	QUANTITY
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1001	Maintenance of traffic per assignment.	1 EA
8001	12" LED signal head section.	14 EA
8004	8" LED signal head section.	6 EA
8023	Remove and dispose of equipment per assignment.	1 EA
8056	Electrical cable - 7 conductor (No. 14 AWG).	722 L.F.

C. EQUIPMENT TO BE REMOVED

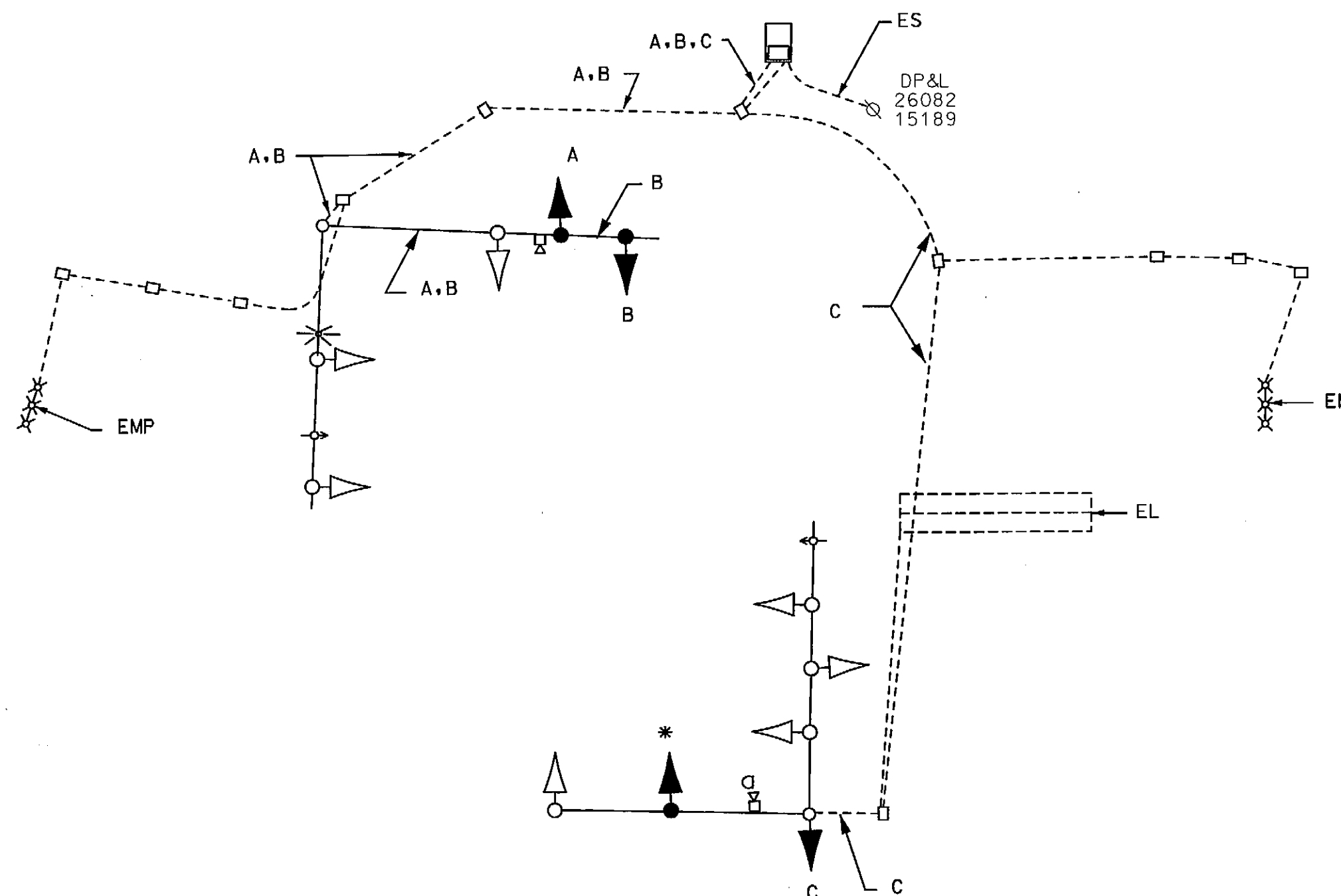
All removed signal materials are to become property of the contractor.

PHASE CHART



PHASE 2 & 5	R	R	←G-←G	←G-←G	G	R	R	R	R-←G	R	R-←G	↑
2 & 5 CHANGE	R	R	←Y-←Y	←Y-←Y	G	R	R	R	R-←Y	R	R-←Y	↑
PHASE 2 & 6	G	G	G	G	G	R	R	R	R	R	R	↑
2 & 6 CHANGE	Y	Y	Y	Y	Y	R	R	R	R	R	R	↑
PHASE 3	R	R	R	R	R	←G-←G	←G-←G	G	R	R	R	↑
3 CHANGE	R	R	R	R	R	←Y-←Y	←Y-←Y	G	R	R	R	↑
PHASE 4 & 8	R	R	R	R	R	G	G	G	G	G	G	↑
4 & 8 CHANGE	R	R	R	R	R	Y	Y	Y	Y	Y	Y	↑
PRE EMPT 1	R	R	G	G	G	R	R	R	R	R	R	↑
PRE EMPT 1 CHANGE	R	R	Y	Y	Y	R	R	R	R	R	R	↑
PRE EMPT 2	G	G	R	R	R	R	R	R	R	R	R	↑
PRE EMPT 2 CHANGE	Y	Y	R	R	R	R	R	R	R	R	R	↑
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	↑

WIRING DIAGRAM



TOD NO: XX661-14
SHA NO: QA203852
MD 8 @ Bay City Road

WIRING KEY

A } 7-CONDUCTOR ELECTRICAL
C } CABLE (NO. 14 A.W.G.)

* - USE EXISTING CABLE

EMP - MICROLOOP LEAD-IN CABLE

EL - LOOP WIRE (NO. 14 A.W.G.)
EXISTING

ES - EXISTING UNDERGROUND ELECTRICAL
SERVICE BY DP&L TO REMAIN

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 8 (ROMANCOKE RD)
AND BAY CITY ROAD

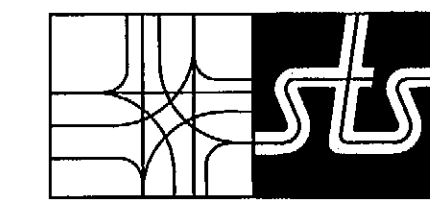
STEVENSVILLE, MARYLAND

GENERAL INFORMATION SHEET

SCALE NONE DATE 10/24/11 CONTRACT NO. XX6615185

DESIGNED BY	R.R.Z.	COUNTY	QUEEN ANNE'S
DRAWN BY	R.C.	LOGMILE	17008006.80
CHECKED BY	W.H.	TMS NO.	LO60
F.A.P. NO.		TOD NO.	

TS NO. 4139C DRAWING NO. 2 OF 2 SHEET NO. OF



400 Crain Hwy., NW
Glen Burnie, MD 21061
Ph (410) 590-5500
Fax (410) 590-6637

602461.DGN

PLOTTED: *DATE*
FILE: *FILE*